Contents

Adamo, S., see Cossu, G., et al. 62
Allen, T. D., Dexter, T. M.: Ultrastructural Aspects of Erythropoietic Differentiation in Long-term Bone Marrow Culture 86
Artlieb, U., see Krepler, R., et al. 191

Bakke, A. C., see Osborne, H. B., et al. 66
Barabanov, V. M., Fedtsova, N. G.: The Distribution of Lens Differentiation Capacity in the Head Ectoderm of Chick Embryos 183
Bertolini, D. R., see Watanabe, M., et al. 79
Bonner, J. T., Davidowski, T. A., Hsu, W.-L., Lapeyrolerie, D. A., Suthers, H. L. B.: The Role of Surface Water and Light on Differentiation in the Cellular Slime Molds 123
Bouché, M., see Cossu, G., et al. 62
Bowen, I. D., den Hollander, J. E., Lewis, G. H. J.: Cell Death and Acid Phosphatase Activity in the Regenerating Planarian *Polycelis tenuis* Iijima 160

Cohen, D., see Sachs, T. 22
Cossu, G., Pacifici, M., Adamo, S., Bouché, M., Molinaro, M.: TPA-Induced Inhibition of the Expression of Differentiative Traits in Cultured Myotubes: Dependence on Protein Synthesis 62

Davidowski, T. A., see Bonner, J. T., et al. 123
Davis, R. W., see Gregg, J. H. 200
Deacon, N. J., see Naora, H. 1
Denk, H., see Krepler, R., et al. 191
Deshpande, A. K., Koide, S. S.: In vitro Induction of Germinal Vesicle Breakdown in *Xenopus laevis* Oocytes by Melittin 127
Dexter, T. M., see Allen, T. D. 86

Etkin, L. D.: Analysis of the Mechanisms Involved in Gene Regulation and Cell Differentiation by Microinjection of Purified Genes and Somatic Cell Nuclei into Amphibian Oocytes and Eggs 149
Eyal-Giladi, H., see Mitrani, E. 56

Fedtsova, N. G., see Barabanov, V. M. 183

Gregg, J. H., Davis, R. W.: Dynamics of Cell Redifferentiation in *Dictyostelium mucoroides* 200

Hollander, J. E., den, see Bowen, I. D., et al. 160
Honig, L. S., Hornbruch, A.: Biochemical Inhibition of Positional Signalling in the Avian Limb Bud 50
Hornbruch, A., see Honig, L. S. 50
Hsu, W.-L., see Bonner, J. T., et al. 123
Huguenel, E. D., Newton, A.: Localization of Surface Structures During Procaryotic Differentiation: Role of Cell Division in *Caulobacter crescentus* 71

Jacobson, A. G., see Tam, P. P. L., et al. 109

Karcher-Djuricic, V., see Ruch, J. V., et al. 7
Kistler, A.: Retinoic Acid-Induced Cartilage Resorption. Induction of Specific Changes in Protein Synthesis and Inhibition by Tunicamycin 168
Koide, S. S., see Deshpande, A. K. 127
Krepler, R., Denk, H., Artlieb, U., Moll, R.: Immunocytochemistry of Intermediate Filament Proteins Present in Pleomorphic Adenomas of the Human Parotid Gland: Characterization of Different Cell Types in the Same Tumor 191

Lapeyrolerie, D. A., see Bonner, J. T., et al. 123
Lesot, H., see Ruch, J. V., et al. 7
Lesot, H., Meyer, J. M., Ruch, J. V., Weber, K., Osborn, M.: Immunofluorescent Localization of Vimentin, Prekeratin and Actin during Odontoblast and Ameloblast Differentiation 133
Lewis, G. H. J., see Bowen, I. D., et al. 160
Lindsay, D. T.: A New Programmatic Basis for Shell Pigment Patterns in the Bivalve Mollusc *Lioconcha castrensis* (L.) 32

Malacinski, G. M., Youn, B. W.: The Structure of the Anuran Amphibian Notochord and a Re-evaluation of its Presumed Role in Early Embryogenesis 13
Matioli, G. T.: Annotation on Stem Cells and Differentiation Fields 139
Meier, S., Tam, P. P. L.: Metameric Pattern Development in the Embryonic Axis of the Mouse. I. Differentiation of the Cranial Segments 95
Meier, S., see Tam, P. P. L., et al. 109
Meins, F., Jr., see Pengelly, W. L. 27
Meyer, J. M., see Ruch, J. V., et al. 7
Meyer, J. M., see Lesot, H., et al. 133
Milos, N., Zalik, S. E.: Mechanisms of Adhesion Among Cells of the Early Chick Blastoderm. Role of the β-D-Galactoside-Binding Lectin in the Adhesion of Extraembryonic Endoderm Cells 175
Mitrani, E., Eyal-Giladi, H.: Cells from Early Chick Embryos in Culture 56
Miyahara, K., Shiokawa, K., Yamana, K.: Cellular Commitment for Post-Gastrular Increase in Alkaline Phosphatase Activity in *Xenopus laevis* Development 45
Molinaro, M., see Cossu, G., et al. 62
Moll, R., see Krepler, R., et al. 191

Naora, H., Deacon, N. J.: Clustered Genes Require Extragenic Territorial DNA Sequences 1
Newton, A., see Huguenel, E. D. 71

Olive, M., see Ruch, J. V., et al. 7
Osborne, H. B., Bakke, A. C., Yu, J.: Reactivation and Dedifferentiation of Differentiated Murine Erythroleukemic Cell Nuclei 66
Osborn, M., see Lesot, H., et al. 133

Pacifici, M., see Cossu, G., et al. 62
Pengelly, W. L., Meins, F., Jr.: The Relationship of Indole-3-Acetic Acid Content and Growth of Crown-Gall Tumor Tissues of Tobacco in Culture 27

Rock, J., see Schuetz, A. W. 41
Ruch, J. V., Lesot, H., Karcher-Djuricic, V., Meyer, J. M., Olive, M.: Facts and Hypotheses Concerning the Control of Odontoblast Differentiation 7
Ruch, J. V., see Lesot, H., et al. 133
Sachs, T., Cohen, D.: Circular Vessels and the Control of Vascular Differentiation in Plants 22
Satoh, N.: DNA Replication is Required for Tissue-Specific Enzyme Development in Ascidian Embryos 37
Schnitman, J. R., see Watanabe, M., et al. 79
Schuetz, A. W., Rock, J.: Stimulatory and Inhibitory Effects of Human Follicular Fluid on Amphibian Oocyte Maturation and Ovulation in vitro 41
Shiokawa, K., see Miyahara, K., et al. 45
Suthers, H. L. B., see Bonner, J. T., et al. 123
Tam, P. P. L., Meier, S., Jacobson, A. G.: Differentiation of the Metameric Pattern in the Embryonic Axis of the Mouse. II. Somitomeric Organization of the Presomitic Mesoderm 109
Tam, P. P. L., see Meier, S. 95
Turner, R. S., Jr., see Watanabe, M., et al. 79
Watanabe, M., Bertolini, D. R., Schnitman, J. R., Turner, R. S., Jr.: Reconstitution of Embryo-Like Structures from Sea Urchin

Embryo Cells: Distinction Between Cell-Cell and Cell-Substrate Associations 79
Weber, K., see Lesot, H., et al. 133
Wiberg, U.: Serological Cross-Reactivity to Rat Anti H-Y Antiserum in the Female European Eel *(Anguilla anguilla)* 206
Yamana, K., see Miyahara, K., et al. 45
Youn, B. W., see Malacinski, G. M. 13
Yu, J., see Osborne, H. B., et al. 66

Zalik, S. E., see Milos, N. 175